CD142 / Coagulation factor III, tissue factor / F3 Antibody

Mouse Monoclonal Antibody [Clone CD142/9196]

Catalog No	Format	Size
2152-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2152-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2152-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

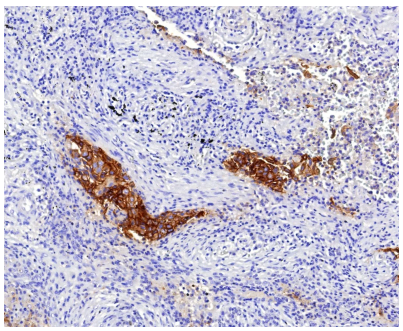
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

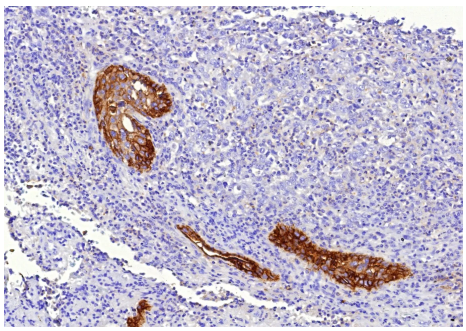
Clone	CD142/9196
Gene Name	F3
Immunogen	Recombinant fragment (around aa50-250) of human F3 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	47kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	A-431, Human Brain, Human Heart

**Optimal dilution for a specific application should be determined.*

Product Images for CD142 / Coagulation factor III, tissue factor / F3 Antibody



Formalin-fixed, paraffin-embedded human lung stained with CD142 Mouse Monoclonal Antibody (CD142/9196). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



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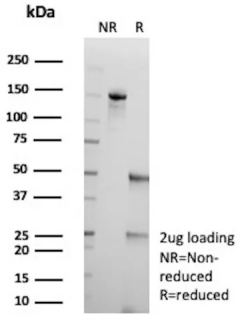
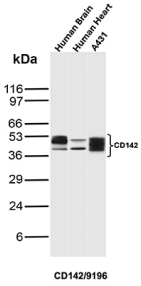


SDS-PAGE Analysis of Purified CD142 Mouse Monoclonal Antibody (CD142/9196). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Human Brain, Human Heart and A431 lysates using CD142 Mouse Monoclonal Antibody (CD142/9196).

Specificity & Comments

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (Prothrombin and Factors X, IX, V and VIII), which are involved in a blood coagulation cascade leading to the formation of insoluble fibrin clots and the promotion of platelet aggregation. Coagulation Factor V (Factor V, FV, proaccelerin, labile factor) is a 2,196 amino acid, single chain glycoprotein that is cleaved by Thrombin to yield an active, Ca2+-dependent dimer that is essential to the blood coagulation cascade. Together with catalytic Factor Xa and Ca2+ on the surface of platelets or endothelial cells, Factor Va coordinates into a prothrombinase complex, which mediates proteolysis of Prothrombin into active Thrombin. Tissue factor (TF), also designated coagulation Factor III) is a cell surface glycoprotein that enables cells to initiate blood coagulation cascades. It functions as a high-affinity receptor for coagulation Factor VII.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Colon Cancer

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.